

## EXTRUSION PRESS FOR MAKING CURVED WORKPIECES

## CROSS REFERENCE TO RELATED APPLICATIONS

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1-25-07  
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This application is the US national phase of PCT application PCT/DE2003/002622 filed 5 August 2003 with a claim to the priority of German patent application 10236299.8 itself filed 8 August 2002.

## FIELD OF THE INVENTION

10 The invention relates to an extrusion press or extruder , especially for producing curved extruded products, where pressed in a tool arranged on a counterbeam or traverse of the extruder which usually encompasses a pressure part and a die-receiving die holder, the pressed product is shaped and is then curved or bent by the effect of external forces.

## BACKGROUND OF THE INVENTION

15 To manufacture curved or bent extruded sections or profiles which are generally composed of aluminum and magnesium alloys as required for various purposes in different industrial fields, it is known from EP 0 706 843 B1 to provide an extruder for hollow products with large wall thickness differences that applies  
20 force at least at defined distances from the die outlet or counterbeam, using a pressure medium which produces a reaction effect upon the profile or section shaped in the extruder die. The pressing means can be a pressing roller or a sliding surface generating a transverse force or a roller cage. Independently of  
25 the pressure applying means which is used to bring about the reaction force, a certain distance must be maintained if the